From:	Dan Gibson <dgibson@kcharvey.com></dgibson@kcharvey.com>
Sent:	Thursday, November 30, 2017 10:27 AM
То:	Bratcher, Mike, EMNRD
Cc:	Chase Settle (chase_settle@eogresources.com)
Subject:	Gulf KC State #1 - 2RP-168
Attachments:	Gulf KC State Com #1.pdf

Mike –

Chase Settle has requested KC Harvey Environmental, LLC (KCH) assist EOG is closing the subject release incident. I've attached what information I could find from the OCD on-line files. The C-141 indicates that area was excavated and that soil samples were collected. I have not been able to find anything that indicates the sample results were submitted to OCD. If this is the case, I would like to call you to discuss a plan to address the remaining concerns for this site. I'll give you a call this afternoon. If you have a specific time that works better for you, please let me know.

Thanks,

Daniel K. Gibson, P.G. Regional Manager

**KC Harvey Environmental, LLC** 7 Sunnygrove Drive Odessa, Texas 79761 USA

Mobile: 432-312-7717 www.kcharvey.com



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# New Mexico Energy, Minerals and Natural Resources Department

Bill Richardson Governor

Joanna Prukop Cabinet Secretary Reese Fullerton Deputy Cabinet Secretary Mark Fesmire Division Director Oil Conservation Division



June 3, 2008

Yates Petroleum Corporation Attn: Mike Stubblefield 105 S 4<sup>th</sup> Street Artesia, NM 88210

Reference: Gulf KC State Com 001 C-18-18S-25E 30 015 22728 Eddy County, New Mexico 2RP-168

Operator,

The New Mexico Oil Conservation Division District 2 Office (OCD) is in receipt of an Initial Report C-141 for a release of produced water and condensate occurring at the above referenced facility on April 28, 2008. Included on the C-141 is a plan for remediation actions.

The plan is accepted with the following stipulations:

- Contaminated soils within the bermed area and the reported approximate 450 square feet pasture area shall be remediated so that residual contaminant concentrations are below the recommended soil remediation action levels. Confirmation soil samples reflecting TPH, BTEX, and chloride constituents will be required.
- Notify the OCD 48 hours prior to obtaining samples where analyses are to be submitted to the OCD.
- · Remediation requirements may be subject to change as site conditions warrant.
- Results of analytical data obtained through sampling shall be forwarded to OCD for approval prior to
   any backfilling activities.
- A final Report C-141 is to be submitted to the OCD upon satisfactory completion of remediation project.
- Remediation to be completed on or before August 1, 2008.

Please be advised that NMOCD acceptance of this plan does not relieve the operator of liability should their operations have failed to adequately investigate and remediate contamination that pose a threat to ground water, surface water, human health or the environment. In addition, NMOCD acceptance of this plan does not relieve the operator of responsibility for compliance with any other federal, state, local laws and/or regulations.

Respectfully,

Sherry Bonham NMOCD District 2 1301 W Grand Avenue Artesia, NM 88210 575.748.1283 ext. 109 sherry.bonham@state.nm.us

From:Dan Gibson <dgibson@kcharvey.com>Sent:Friday, December 8, 2017 4:46 PMTo:Bratcher, Mike, EMNRDSubject:RE: Gulf KC State #1 - 2RP-168

Mike- Just wanted to check to see if you had found time to upload the file for the subject site onto the OCD website.

Thanks,

Daniel K. Gibson, P.G. Regional Manager

**KC Harvey Environmental, LLC** 7 Sunnygrove Drive Odessa, Texas 79761 USA

Mobile: 432-312-7717 www.kcharvey.com



From: Dan Gibson Sent: Thursday, November 30, 2017 11:27 AM To: Mike Bratcher (mike.bratcher@state.nm.us) Cc: Chase Settle (chase\_settle@eogresources.com) Subject: Gulf KC State #1 - 2RP-168

Mike –

Chase Settle has requested KC Harvey Environmental, LLC (KCH) assist EOG is closing the subject release incident. I've attached what information I could find from the OCD on-line files. The C-141 indicates that area was excavated and that soil samples were collected. I have not been able to find anything that indicates the sample results were submitted to OCD. If this is the case, I would like to call you to discuss a plan to address the remaining concerns for this site. I'll give you a call this afternoon. If you have a specific time that works better for you, please let me know.

Thanks,

Daniel K. Gibson, P.G. Regional Manager

**KC Harvey Environmental, LLC** 7 Sunnygrove Drive Odessa, Texas 79761 USA

Mobile: 432-312-7717 www.kcharvey.com



From:	Bratcher, Mike, EMNRD
Sent:	Tuesday, December 12, 2017 12:03 PM
То:	'Dan Gibson'
Cc:	Chase Settle (chase_settle@eogresources.com)
Subject:	RE: Gulf KC State #1 - 2RP-168

RE: 2RP-168

Dan,

I apologize for taking too long to get this stuff uploaded, but everything that was in the hard file is now online, here:

http://ocdimage.emnrd.state.nm.us/imaging/AEOrderFileView.aspx?appNo=pSEB0814157330

Hope this helps some.

Mike Bratcher NMOCD District 2 811 South First Street Artesia, NM 88210 575-748-1283 Ext 108

From: Dan Gibson [mailto:dgibson@kcharvey.com]
Sent: Thursday, November 30, 2017 10:27 AM
To: Bratcher, Mike, EMNRD <mike.bratcher@state.nm.us>
Cc: Chase Settle (chase\_settle@eogresources.com) <chase\_settle@eogresources.com>
Subject: Gulf KC State #1 - 2RP-168

Mike –

Chase Settle has requested KC Harvey Environmental, LLC (KCH) assist EOG is closing the subject release incident. I've attached what information I could find from the OCD on-line files. The C-141 indicates that area was excavated and that soil samples were collected. I have not been able to find anything that indicates the sample results were submitted to OCD. If this is the case, I would like to call you to discuss a plan to address the remaining concerns for this site. I'll give you a call this afternoon. If you have a specific time that works better for you, please let me know.

Thanks,

Daniel K. Gibson, P.G. Regional Manager

**KC Harvey Environmental, LLC** 7 Sunnygrove Drive Odessa, Texas 79761 USA

Mobile: 432-312-7717 www.kcharvey.com

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From:	Dan Gibson <dgibson@kcharvey.com></dgibson@kcharvey.com>
Sent:	Tuesday, December 19, 2017 11:13 AM
То:	Bratcher, Mike, EMNRD
Cc:	Chase Settle (chase_settle@eogresources.com)
Subject:	Gulf KC State Com#1 2RP-168
Attachments:	OCD File Summary.pdf; State file 12 12 2017.pdf

Mike:

Thanks again for getting the file on the OCD website. I've reviewed the file and prepared the attached summary. I've also included a copy of the documents in the OCD file.

The June 23, 2008 Spill Summary and Workplan provides documentation on the remediation and sampling activities in early June 2008. It also provides a workplan for the issues required to close the site. While the file does not indicate these activities were completed, the absence of a soil stockpile and the fact there is no open excavation on site suggest these activities may be complete. The remaining remediation activities were focused on the gun barrel tank area. To evaluate if this area was remediated, we propose to collect soil samples from two shallow soil borings. These samples will be submitted for TPH, BTEX and chloride analysis using approved OCD methods. The results of these samples should provide sufficient analytical data to determine if additional soil remediation is required.

The file also provides sample results from the pasture area. The file indicates TPH and BTEX levels are below RRALs. Chloride concentrations were 1,970 ppm at the surface and 528 ppm at a depth of three feet. The proposed action was to deep rip the area which was reportedly approved by the ranch manager. To evaluate if additional activities are warranted, we propose to inspect the area and compare the vegetation present in this area with the surrounding land. If the vegetative coverage is similar, we propose no further action.

When the sample results are available and the site inspection is complete, the documentation will be provided to OCD along with a proposed scope of any additional activities that may be required. If OCD agrees no further action is required, a final C-141 will be submitted.

Thanks,

**Daniel K. Gibson, P.G.** Permian Basin Regional Manager

**KC Harvey Environmental, LLC** 7 Sunnygrove Drive Odessa, Texas 79761 USA

Mobile: 432-312-7717 www.kcharvey.com



## Gulf KC State Com #1 – - 2RP-168, OCD File Summary – File Date 12/17/2017, 17 pages

**4/28/2008** – Water leg on gun barrel tank broke due to high winds, resulting in a release of one barrel of condensate and 19 barrels of produced water. No fluids were recovered.

5/2/2008 – Initial C-141 received by OCD. Areas impacted by the release consisted of:

- 1) Inside the tank battery around the gun barrel tank and along the berm on the east side of the tank battery. This area was reportedly excavated and the soils were paced on a liner.
- 2) The pasture on the east side of the tank battery was impacted (east berm was partially constructed). This area measured 15 feet by 30 feet.

The C-141 provided a work plan to address contaminated areas. Proposed activities included collecting soil samples from the impacted areas for TPH, BTEX, and chloride analysis. The workplan included proposed remediation activities (excavation) until TPH and BTEX concentrations met RRALs. The C-141 indicated the Site Ranking was "0" as the depth to groundwater was greater than 100 feet, the wellhead protection area was greater than 1,000 feet, and the distance to the closest water body was greater than 1,000 feet.

## 6/3/2008 - OCD response to Initial C-141

Remediation plan was accepted by OCD and included the following conditions:

- 1) Contaminated soil within the berm and in the pasture area would be remediated to recommended soil action levels for TPH, BTEX, and chlorides,
- 2) Sample results would be forward to OCD prior to backfilling, and,
- 3) At the completion of activities, a final C-141 would be submitted to OCD.

**6/23/2008** – A *Spill Summary and Workplan* was submitted to OCD. In addition to summarizing the incident and site ranking, this document summarized remediation activities and outlined a closure plan.

The actions reportedly taken included:

- 1) The area along the east berm was excavated and the soils were stockpiled on a liner. The excavated area measured seven feet by 90 feet was 4 feet in depth.
- Soil samples were collected on June 3-4 from the excavation, the area surrounding the gun barrel tank, and the impacted area in the pasture. Analytical data is summarized in the following table.

Location	GRO (PPM)	DRO (PPM)	BTEX (PPM	Chloride (PPM)
Bottom of excavation	11.3	175	<50	464
Westside wall of excavation	16.1	731	<50	528
Southside wall of excavation	<10	432	<50	160
East side wall of excavation	31.6	799	<50	1,250
North side wall of excavation	23.5	189	<50	176
Pasture area - surface	<48.3	1,810	<50	1,970
Pasture, 3 foot depth	NA	NA	NA	528
Gun Barrel - surface	325	6,130	<50	10,200
Stockpiled Soil (5- part composite)	<10	69.6	<50	320

#### **Summary of Soil Sample Results**

NA - not analyzed

PPM – parts per million

The closure plan outline noted the following:

- For the excavated area, TPH and BTEX were reported at concentrations below the RRAL. Chloride concentrations ranged from 160 to 1,250 ppm. The proposed activities were to backfill the area using previously excavated material and to reconstruct the eastside berm.
- 2) For the pasture area, TPH and BTEX were reported at concentrations below the RRAL. Chloride concentrations were reported at 1,970 ppm at the surface and 528 ppm at a depth of three feet. The proposed action was to deep rip the area which was reportedly approved by the ranch manager, Mr. Darrel Brown.
- 3) The soil sample from the gun barrel area was below the RRAL for BTEX, but exceeded the RRAL for TPH. The proposed activity for contaminated soil surrounding the gun barrel tank was excavation with disposal at an OCD-approved facility. Soil samples were proposed to be collected from this excavation for TPH, BTEX and chloride analysis. The area was proposed to be backfilled once TPH and BTEX concentrations were below applicable RRALs. The area was to be backfilled using previously excavated material and clean backfill.
- 4) At the conclusion of these activities a final C-141 was to be submitted to OCD for approval.

End of File.

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# New Mexico Energy, Minerals and Natural Resources Department

Bill Richardson Governor

Joanna Prukop Cabinet Secretary Reese Fullerton Deputy Cabinet Secretary Mark Fesmire Division Director Oil Conservation Division



June 3, 2008

Yates Petroleum Corporation Attn: Mike Stubblefield 105 S 4<sup>th</sup> Street Artesia, NM 88210

Reference: Gulf KC State Com 001 C-18-18S-25E 30 015 22728 Eddy County, New Mexico 2RP-168

Operator,

The New Mexico Oil Conservation Division District 2 Office (OCD) is in receipt of an Initial Report C-141 for a release of produced water and condensate occurring at the above referenced facility on April 28, 2008. Included on the C-141 is a plan for remediation actions.

The plan is accepted with the following stipulations:

- Contaminated soils within the bermed area and the reported approximate 450 square feet pasture area shall be remediated so that residual contaminant concentrations are below the recommended soil remediation action levels. Confirmation soil samples reflecting TPH, BTEX, and chloride constituents will be required.
- Notify the OCD 48 hours prior to obtaining samples where analyses are to be submitted to the OCD.
- · Remediation requirements may be subject to change as site conditions warrant.
- Results of analytical data obtained through sampling shall be forwarded to OCD for approval prior to
   any backfilling activities.
- A final Report C-141 is to be submitted to the OCD upon satisfactory completion of remediation project.
- Remediation to be completed on or before August 1, 2008.

Please be advised that NMOCD acceptance of this plan does not relieve the operator of liability should their operations have failed to adequately investigate and remediate contamination that pose a threat to ground water, surface water, human health or the environment. In addition, NMOCD acceptance of this plan does not relieve the operator of responsibility for compliance with any other federal, state, local laws and/or regulations.

Respectfully,

Sherry Bonham NMOCD District 2 1301 W Grand Avenue Artesia, NM 88210 575.748.1283 ext. 109 sherry.bonham@state.nm.us



Yates Petroleum Corporation Gulf KC State #1 Remediation Workplan Sec. 18-18s-25e Eddy County, N.M.

June 23, 2008

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6/23/2008

## **Spill Summary and Work Plan**

Incident Date: 4/28/2008

Location: Gulf KC State #1 Unit C Section 18 T18S R25E Eddy County, New Mexico

The well is located 25 miles south west of Artesia, as depicted on the attached Dayton USGS Quadrangle Map. This site lies on the edge of a westward sloping plain cut by dry drainage channels.

Watercourses in the area are dry except for infrequent flows in response to major precipitation events. Area surface geology includes Quaternary Pleistocene conglomerate. The area, dry at the time of the spill, consists of soil that is fine grained, loamy and interspersed with clay seams providing a low permeability barrier to retard vertical percolation of contaminants into the subsurface. Groundwater in the area is estimated to be at a depth of >100 feet.

The ranking for this site is zero (0) based on the as following:

Depth to ground water	> 100'
Wellhead Protection Area	> 1000'
Distance to surface water body	> 1000'

#### **Incident Description:**

The water leg on gun barrel broke due to high winds.

The water leg was repaired on the gun barrel. The volume of the release was 19 bbls of produced water & 1 bbl condensate. Recovered volume 0 bbls produced water & 0 bbls condensate.

#### **Action Taken:**

The impacted area was located in the bermed area of the tank battery. The berm around the battery was not completed when constructed; there was a partial opening in the berm on the north side of the tank battery. The area around the gun barrel was impacted and there was a flow path running from the gun barrel to the berm located on the east side of the tank battery. Most of the release pooled in the area along the berm on the eastside of the battery. The battery area was partially bermed. A small amount of fluid ran from the opening in the berm. The pasture on the eastside of the battery was impacted. This area measured to be 15'x30'. The berm and the impacted soil running along side of the berm were immediately excavated and stockpiled on a liner, which was placed on the location. The excavated area measure to be 4' in depth x 7' wide x 90' long.

DAMAge to PAsture land

6/3/2008 using a hand auger soil samples were taken from the excavated area, the area surrounding the gun barrel and the impacted area in the pasture. The soil samples were submitted to Cardinal Lab. Analysis was run for TPH using EPA Method 8015M, B-TEX using EPA Method 8260B, and Chlorides using EPA Method 300. Analytical results for soil samples taken on 6/3/2008 from the excavated area along the berm on the east side of the tank battery reported; TPH bottom of the excavated area GRO 11.3 ppm, DRO 175 ppm, B-TEX <50 ppm. Chlorides 464 ppm, Westside wall - GRO 16.1 ppm, DRO 731 ppm, B-TEX <50 ppm. Chlorides 528 ppm, Southside wall - GRO <10 ppm, DRO 432 ppm, B-TEX <50 ppm. Chlorides 160 ppm, Eastside wall - GRO 31.6 ppm, DRO 799 ppm, B-TEX <50 ppm. Chlorides 1,250 ppm, North side wall - GRO 23.5, **D**RO 189 ppm, B-TEX <50ppm, Chlorides 176 ppm.

Analytical results from soil samples taken on 6/3/2008 from <u>outside of the bermed area in the pasture</u> reported surface GRO <48.3 DRO 1,810 ppm, B-TEX: Stoppm. Chlorides 1,970 ppm, Chlorides at a depth of <u>3' BGS</u> in the <u>impacted area of the pasture</u> were reported to be CL. 528 ppm.

Analytical results from soil samples taken on 6/3/2008 in the area around the gun barrel reported surface – GRO 325 ppm, DRO 6,130 ppm, B-TEX <50 ppm. Chlorides 10,200 ppm.

A five spot composite soil sample was taken for the stockpiled soil. Analytical results reported GRO <10.0 ppm, DRO 69.6, Chlorides 320 ppm.

**Closure Plan:** 

Analytical results dated 6/9&10/2008 reported the TPH & B-TEX to be under the RRAL for the site from soil samples taken in the excavated area located on the eastside of the battery Chlorides were reported in ranges from 1,250 ppm to 160 ppm.

The excavated area on the eastside of the battery will be backfilled back to grade using the stockpiled soil on location. The removed berm will then be reconstructed.

Analytical results dated 6/9&10/2008 reported the TPH & B-TEX to be under the RRAL for the site from soil samples taken in the impacted area of the pasture. Chlorides were reported in the impacted area of the pasture to be 1,970 ppm at the surface, 3' BGS Chlorides declined to 528 ppm. The impacted area located in the pasture on the eastside of the battery will be deep ripped. This corrective action was approved by the Ranch manager Mr. Darrel Brown on 7/3/2008.

Analytical results dated 6/9&10/2008 reported the TPH to be above the RRAL for the site in soil samples taken on 6/3/2008 from the impacted soil located around the gun barrel. The impacted soil located around the gun barrel will be excavated and hauled to an NMOCD approved solid waste disposal facility. After excavation soil samples will be taken and then submitted to a second party lab for analysis. The soil samples submitted to lab will be tested for TPH using EPA method 8215M, B-TEX EPA method 8260B and Chlorides using EPA method 300. When analytical results taken from the excavated area around the gun barrel report the TPH & B-TEX to be under the RRAL for the site. Chlorides have been documented to decline from CL. 10,200 ppm to a range that is reasonable for the site. The excavated area will be backfilled back to grade using a combination of the stockpiled soil on location and clean soil brought to the location. A final C-141 form with attached analytical results will be submitted to the NMOCD, requesting closure for the release that occurred on 4/28/2008.

If you have questions or need additional information, please contact me at 505-748-4500. Or E-mail me at <u>mikes@ypcnm.com</u>.

Sincerely,

Mile Stullefreld

Mike Stubblefield Yates Petroleum Corporation Environmental Regulatory Agent



PHONE (575) 393-2326 • 101 E. MARLAND • HOBBS, NM 88240

ANALYTICAL RESULTS FOR YATES PETROLEUM CORPORATION ATTN: MIKE STUBBLEFIELD 105 SOUTH 4<sup>TH</sup> STREET ARTESIA, NM 88210 FAX TO: (575) 748-4635

Receiving Date: 06/04/08 Reporting Date: 06/09/08 Project Number: 30-015-22328 Project Name: GULF KC STATE COM #1 BATTERY Project Location: SEC. 18-18S-25E

Sampling Date: 06/03/08 Sample Type: SOIL Sample Condition: COOL & INTACT Sample Received By: ML Analyzed By: AB

LAB NUMBER SAMPLE ID

CI\* (mg/kg)

ANALYSIS I	DATE:	06/05/08
H14923-1	1) EXCAVATED AREA ALONG BERM BOTTOM 4' DEPTH	464
H14923-2	2) EXCAVATED AREA ALONG BERM WEST SIDE WALL	528
H14923-3	3) EXCAVATED AREA ALONG BERM SOUTH SIDE WALL	160
H14923-4	4) EXCAVATED AREA ALONG BERM EAST SIDE WALL	1,250
H14923-5	5) EXCAVATED AREA ALONG BERM NORTH SIDE WALL	176
Quality Cont	rol	490
Quality Cont True Value (		490
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METHODS: Std. Methods 4500-CITB \*Analyses performed on 1:4 w:v aqueous extracts.

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#### H14923CL YATES

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of services hereunder by Cardinal, regardless of whether such claim is based upon any of the above-stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories. Results *Released to Imaging: 8/20/2024 7:25:02 AM* 



ANALYTICAL RESULTS FOR YATES PETROLEUM CORPORATION ATTN: MIKE STUBBLEFIELD 105 SOUTH 4<sup>TH</sup> STREET ARTESIA, NM 88210 FAX TO: (575) 748-4635

Receiving Date: 06/04/08 Reporting Date: 06/10/08 Project Number: 30-015-22328 Project Name: GULF KC STATE COM #1 BATTERY Project Location: SEC. 18-18S-25E Sampling Date: 06/03/08 Sample Type: SOIL Sample Condition: INTACT Sample Received By: ML Analyzed By: CK/AB

		GRO	DRO			ETHYL	TOTAL
		(C <sub>6</sub> -C <sub>10</sub> )	(>C <sub>10</sub> -C <sub>28</sub> )	BENZENE	TOLUENE	BENZENE	XYLENES
LAB NO.	SAMPLE ID	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)

ANALYSIS	DATE:	06/05/08	06/05/08	06/05/08	06/05/08	06/05/08	06/05/08
H14923-1	1. EXCAVATED AREA ALONG	11.3	175	<0.010	<0.010	0.011	0.116
	BERM BOTTOM 4' DEPTH	and an and a second					
H14923-2	2. EXCAVATED AREA ALONG	16.1	731	< 0.010	0.010	0.015	0.159
	BERM WEST SIDE WALL	·	-	-			
H14923-3	3. EXCAVATED AREA ALONG	<10.0	432	<0.010	<0.010	<0.010	0.057
	BERM SOUTH SIDE WALL						
H14923-4	4. EXCAVATED AREA ALONG	31.6	799	<0.010	0.036	0.047	0.519
	BERM EAST SIDE WALL						
H14923-5	5. EXCAVATED AREA ALONG	23.5	189	< 0.010	0.054	0.044	0.480
	BERM NORTH SIDE WALL						
Quality Col	ntrol	497	573	0.047	0.052	0.058	0.170
True Value QC		500	500	0.050	0.050	0.050	0.150
% Recover	у	99.4	115	93.5	105	115	113
Relative Pe	ercent Difference	1.6	0.7	2.6	7.3	5.5	4.1

METHODS: TPH GRO & DRO - EPA SW-846 8015 M; BTEX - SW-846 8260B.

Klene

06/10/08

#### H14923BT2 YATES

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of services hereunder by Cardinal, regardless of whether such claim is based upon any of the above-stated reasons or otherwise. Results relate only to the samples identified shows. This report shall only be reproduced except in full with written approval of Cardinal Laboratories.



ANALYTICAL RESULTS FOR YATES PETROLEUM CORPORATION ATTN: MIKE STUBBLEFIELD 105 SOUTH 4TH STREET ARTESIA, NM 88210 FAX TO: (575) 748-4635

Receiving Date: 06/04/08 Reporting Date: 06/10/08 Project Number: 30-015-22328 Project Name: GULF KC STATE COM. #1 BATTERY Project Location: SEC. 18-18S-25E

Sampling Date: 06/03/08 Sample Type: SOIL Sample Condition: INTACT Sample Received By: ML Analyzed By: CK/AB

		GRO	DRO			ETHYL	TOTAL
		(C <sub>6</sub> -C <sub>10</sub> )	(>C <sub>10</sub> -C <sub>28</sub> )	BENZENE	TOLUENE	BENZENE	XYLENES
LAB NO.	SAMPLE ID	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)

ANALYSIS	DATE:	06/05/08	06/05/08	06/05/08	06/05/08	06/05/08	06/05/08
H14922-1	6. IMPACTED AREA AROUND	325	6,130	< 0.010	<0.010	0.026	0.354
·	GUN BARREL SURFACE						
H14922-2	7. IMPACTED AREA IN	48.3	1,810	<0.010	0.012	0.026	0.301
	PASTURE SURFACE		1				
H14922-4	9. STOCKPILED SOIL FROM	<10.0	69.6	<0.010	<0.010	<0.010	0.035
	EXCAVATION AREA				-		
Quality Co	ntrol	497	573	0.047	0.052	0.058	0.170
True Value	QC	500	500	0.050	0.050	0.050	0.150
% Recover	У	99.4	115	93.5	105	115	113
Relative Pe	ercent Difference	1.6	0.7	2.6	7.3	5.5	4.1

METHODS: TPH GRO & DRO - EPA SW-846 8015 M; BTEX - SW-846 8260B.

Chemist

#### H14922BT2 YATES

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of services hereunder by Cardinal, regardless of whether such claim is based upon any of the above-stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories. Released to Imaging: 8/20/2024 7:25:02 AM



PHONE (575) 393-2326 • 101 E. MARLAND • HOBBS, NM 88240

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Receiving Date: 06/04/08 Reporting Date: 06/06/08 Project Number: 30-015-22328 Project Name: GULF KC STATE COM. #1 BATTERY Project Location: SEC. 18-18S-25E Analysis Date: 06/05/08 Sampling Date: 06/03/08 Sample Type: SOIL Sample Condition: INTACT Sample Received By: ML Analyzed By: AB

		C
LAB NUMBER	SAMPLE ID	(mg/kg)
H14922-1	6. IMPACTED AREA AROUND GUN	10,200
	BARREL SURFACE	
H14922-2	7. IMPACTED AREA IN PASTURE	1,970
	SURFACE	
H14922-3	8. IMPACTED AREA IN PASTURE	528
· · · · · · · · · · · · · · · · · · ·	3' DEPTH	
H14922-4	9. STOCKPILED SOIL FROM	320
	EXCAVATION AREA	
Quality Control		500
True Value QC		500
% Recovery	100	
Relative Percen	2.0	
METHOD: Standa	Ird Methods	4500-CI'B

METHOD: Standard Methods Note: Analyses performed on 1:4 w:v aqueous extracts.

Krist Suprobo

06/09/08

#### H14922 YATES

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of services hereunder by Cardinal, regardless of whether such claim is based upon any of the above-stated reasons or otherwise. Results relate only to the samples identified above. This report shall on the reproduced except in full with written approval of Cardinal Laboratories.

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	CHAIN-OF-CUSTODY AND ANALYSIS REQUEST	13 101 East Martand, Hobbs, NM 88240 20 (505) 393-2325 Fax (505) 393-2475	1	P.O. 11:	Company: Unic Reto Corp.	ZIp: 88210 Attn: m.K. Tubble field	Address: 10	Idield City: A, tesiA	State:	Phone #: 505. 1148. 4520	Fax #: 505- 948-4	ESERV. SAMPLING	DGE			C V V C 23 Jace 3: JO 0A V V V		WC V V C/2 [2018 ]3:KPn V V V		C V V 6(3/2008 3:25 Am V V V	rades by burchin configuration [14] and the start of the second by the second by the second for	and it has been been and the set of the set	when fourt	Received By: (Lab Sym)	-
Released				tobhletield P.O. N:	41th Street	Statt: N, M, Zlp: 88210	48-4335 Address: 10	228 Projact Owner: Aik, 570/ 1/0/ 6/1	1ATC COM #1 Gallery. State: N. M.	m: Sec. 18.18c · X.c. Phone #:	Stubblefield Fax #: 505-	MATRIX PRI	I COOL DUNDWATER STEWATER DGE DGE	0.11 1/CE VCIC 0/L 2/CO 0/CO 0/CO 0/CO 0/CO 0/CO 0/CO 0/CO 0	CUL IL EXCAVORE BICA 2407 WIM DOLIOM 5 1 1 1	a sin . (Avaled ales a ban been been a	side Wall	Arca where bern South C V K		· · · · · · · · · · · · · · · · · · ·	e hruku tasta in castract or lot, alsa to Aniza	Hitel be downed when where I having retrochingson, bus	Repues Time -	Received PY	

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f Cardinal cannot accept yerbal chinges, "ease fax written changes to (325) 673-7020.

**Received by OCD: 8/20/2024 7:23:41 AM** 

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ULL - S ZEEN OCD-ARTESIA

Yates Petroleum Corporation Gulf KC State #1 Remediation Workplan Sec. 18-18s-25e Eddy County, N.M.

June 23, 2008

#### 6/23/2008

## **Spill Summary and Work Plan**

Incident Date: 4/28/2008

Location:	Gulf KC State #1
	Unit C Section 18 T18S R25E
	Eddy County, New Mexico

The well is located 25 miles south west of Artesia, as depicted on the attached Dayton USGS Quadrangle Map. This site lies on the edge of a westward sloping plain cut by dry drainage channels.

Watercourses in the area are dry except for infrequent flows in response to major precipitation events. Area surface geology includes Quaternary Pleistocene conglomerate. The area, dry at the time of the spill, consists of soil that is fine grained, loamy and interspersed with clay seams providing a low permeability barrier to retard vertical percolation of contaminants into the subsurface. Groundwater in the area is estimated to be at a depth of >100 feet.

The ranking for this site is zero (0) based on the as following:

Depth to ground water	> 100'
Wellhead Protection Area	> 1000'
Distance to surface water body	> 1000'

#### **Incident Description:**

The water leg on gun barrel broke due to high winds.

The water leg was repaired on the gun barrel. The volume of the release was 19 bbls of produced water & 1 bbl condensate. Recovered volume 0 bbls produced water & 0 bbls condensate.

#### Action Taken:

The impacted area was located in the bermed area of the tank battery. The berm around the battery was not completed when constructed; there was a partial opening in the berm on the north side of the tank battery. The area around the gun barrel was impacted and there was a flow path running from the gun barrel to the berm located on the east side of the tank battery. Most of the release pooled in the area along the berm on the eastside of the battery area was partially bermed. A small amount of fluid ran from the opening in the berm. The pasture on the eastside of the battery was impacted. This area measured to be 15'x30'. The berm and the impacted soil running along side of the berm were immediately excavated and stockpiled on a liner, which was placed on the location. The excavated area measure to be 4' in depth x 7' wide x 90' long.

6/3/2008 using a hand auger soil samples were taken from the excavated area, the area surrounding the gun barrel and the impacted area in the pasture. The soil samples were submitted to Cardinal Lab. Analysis was run for TPH using EPA Method 8015M, B-TEX using EPA Method 8260B, and Chlorides using EPA Method 300. Analytical results for soil samples taken on 6/3/2008 from the excavated area along the berm on the east side of the tank battery reported; TPH bottom of the excavated area GRO 11.3 ppm, DRO 175 ppm, B-TEX <50 ppm. Chlorides 464 ppm, Westside wall - GRO 16.1 ppm, DRO 731 ppm, B-TEX <50 ppm. Chlorides 528 ppm, Southside wall – GRO <10 ppm, DRO 432 ppm, B-TEX <50 ppm. Chlorides 1,250 ppm, North side wall – GRO 23.5, DRO 189 ppm, B-TEX <50 ppm. Chlorides 176 ppm.

Analytical results from soil samples taken on 6/3/2008 from outside of the bermed area in the pasture reported surface GRO <48.3 DRO 1,810 ppm, B-TEX <50 ppm. Chlorides 1,970 ppm, Chlorides at a depth of 3' BGS in the impacted area of the pasture were reported to be CL. 528 ppm.

Analytical results from soil samples taken on 6/3/2008 in the area around the gun barrel reported surface – GRO 325 ppm, DRO 6,130 ppm, B-TEX <50 ppm. Chlorides 10,200 ppm.

A five spot composite soil sample was taken for the stockpiled soil. Analytical results reported GRO <10.0 ppm, DRO 69.6, Chlorides 320 ppm.

#### **Closure Plan:**

Analytical results dated 6/9&10/2008 reported the TPH & B-TEX to be under the RRAL for the site from soil samples taken in the excavated area located on the eastside of the battery Chlorides were reported in ranges from 1,250 ppm to 160 ppm.

The excavated area on the eastside of the battery will be backfilled back to grade using the stockpiled soil on location. The removed berm will then be reconstructed.

Analytical results dated 6/9&10/2008 reported the TPH & B-TEX to be under the RRAL for the site from soil samples taken in the impacted area of the pasture. Chlorides were reported in the impacted area of the pasture to be 1,970 ppm at the surface, 3' BGS Chlorides declined to 528 ppm. The impacted area located in the pasture on the eastside of the battery will be deep ripped. This corrective action was approved by the Ranch manager Mr. Darrel Brown on 7/3/2008.

Analytical results dated 6/9&10/2008 reported the TPH to be above the RRAL for the site in soil samples taken on 6/3/2008 from the impacted soil located around the gun barrel. The impacted soil located around the gun barrel will be excavated and hauled to an NMOCD approved solid waste disposal facility. After excavation soil samples will be taken and then submitted to a second party lab for analysis. The soil samples submitted to lab will be tested for TPH using EPA method 8215M, B-TEX EPA method 8260B and Chlorides using EPA method 300. When analytical results taken from the excavated area around the gun barrel report the TPH & B-TEX to be under the RRAL for the site. Chlorides have been documented to decline from CL. 10,200 ppm to a range that is reasonable for the site. The excavated area will be backfilled back to grade using a combination of the stockpiled soil on location and clean soil brought to the location. A final C-141 form with attached analytical results will be submitted to the NMOCD, requesting closure for the release that occurred on 4/28/2008.

If you have questions or need additional information, please contact me at 505-748-4500. Or E-mail me at <u>mikes@ypcnm.com</u>.

Sincerely,

mare Stullepell

Mike Stubblefield Yates Petroleum Corporation Environmental Regulatory Agent

From: Sent:	Mike Stubblefield [mikes@YPCNM.COM] Tuesday, August 12, 2008 9:59 AM
То:	Bratcher, Mike, EMNRD
Cc:	Jerry Fanning
Subject:	Soil samples to be taken for Analytical on 8/14/2008.

Dear Mr. Mike Bratcher,

Yates Petroleum Corporation will be taking soil samples for analytical at the following facilities.

30-015-22728 Ut.C 18-18s-25e Gulf KC State #1 Sampling date: 8/14/2008 Time: 9:30am. 30-015-10800 Ut.O 25-18s-25e Gerard "AW" Battery Sampling date: 8/14/2008 Time: 10:30am. 30-015-22891 Ut.G 1-19s-24e SRC "KZ" State Battery Sampling date 8/14/2008 Time 11:30am. 3:0.0 30-015-21881 Ut.J 36-19s-24e Dee 36 State Battery Sampling date: 8/14/2008 Time: 2:00pm.

If I can be of further assistance please contact me at 575-513-1712.

Sincerely, Mike Stubblefield

This inbound email has been scanned by the MessageLabs Email Security System.



From: Sent:	Mike Stubblefield [mikes@YPCNM.COM] Tuesday, August 12, 2008 11:15 AM
То:	Bratcher, Mike, EMNRD
Cc:	Jerry Fanning
Subject:	Soil Samples to be taken for analytical on 8/15/2008.

Dear Mr. Mike Bratcher,

Yates Petroleum Corporation will be taking soil samples for analytical at the following facilities.

30-015-33733 Ut.I 16-19s-26e Clayton BFO State Com. #1 Sampling date: 8/15/2008 Time: 9:30am. 30-015-32709 Ut.M 27-16s-27e Mucho Luck BBW Federal Com. #1 Sampling date: 8/15/2008 Time: 10:30am 30-015-32095 Ut.H 24-18s-30e Creek AL #15 Sampling date: 8/15/2008 Time: 1:30pm 30-015-35316 Ut.A 4-23s-31e Glowworm "ALX" Federal #14 Sampling date: 8/15/2008 Time: 3:00pm.

If I can be of further assistance please contact me at 575-513-1712.

Sincerely,

Mike Stubblefield

This inbound email has been scanned by the MessageLabs Email Security System.

Depth to Groun	d Water: >100; Wellhead Protection? NO; Distance to Surface water: >1000'.	Site Ranking: 0
	STATUS SHEET	
Gulf KC S Site Api NUMBER	<u>18 18S 25E</u> UL: <u>C</u> <u>32.75399</u>	<u>13.1712</u> <u>104.52674</u> <sub>Longitude</sub>
DATE	DESCRIPTION	New York Strategy and Strategy
1-2.08	Mike Stubblefield - Stated he brok analyticale and a the even heady to start work to excavate the impace OCD does not have the work plan (checked u) the also Stubblefield will bring in the work plan.	work plan ted avea s. Ke Bratcher
7-3-08	Ray Martin of TNT called in update. Hand digg:	ng around
8-6-08	Separater. Will place those as platte. Updale held from spectors. lequest for addit time liftene	L witel 1810 8
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From:	Dan Gibson <dgibson@kcharvey.com></dgibson@kcharvey.com>
Sent:	Monday, January 8, 2018 11:23 AM
То:	Bratcher, Mike, EMNRD
Cc:	Chase Settle (chase_settle@eogresources.com)
Subject:	RE: Gulf KC State Com#1 2RP-168
Attachments:	OCD File Summary.pdf; State file 12 12 2017.pdf

Mike –

Happy New Year!

I just wanted to check in and see if you have had an opportunity to review the documents I sent.

Thanks,

Daniel K. Gibson, P.G. Permian Basin Regional Manager

KC Harvey Environmental, LLC 2626 JBS Parkway Suite B120 Odessa, Texas 79761 USA

Office 432-614-6096 Mobile: 432-312-7717 www.kcharvey.com



From: Dan Gibson Sent: Tuesday, December 19, 2017 12:13 PM To: Mike Bratcher (mike.bratcher@state.nm.us) Cc: Chase Settle (chase\_settle@eogresources.com) Subject: Gulf KC State Com#1 2RP-168

Mike:

Thanks again for getting the file on the OCD website. I've reviewed the file and prepared the attached summary. I've also included a copy of the documents in the OCD file.

The June 23, 2008 Spill Summary and Workplan provides documentation on the remediation and sampling activities in early June 2008. It also provides a workplan for the issues required to close the site. While the file does not indicate these activities were completed, the absence of a soil stockpile and the fact there is no open excavation on site suggest these activities may be complete. The remaining remediation activities were focused on the gun barrel tank area. To evaluate if this area was remediated, we propose to collect soil samples from two shallow soil borings. These samples will be submitted for TPH, BTEX and chloride analysis using approved OCD methods. The results of these samples should provide sufficient analytical data to determine if additional soil remediation is required.

The file also provides sample results from the pasture area. The file indicates TPH and BTEX levels are below RRALs. Chloride concentrations were 1,970 ppm at the surface and 528 ppm at a depth of three feet. The proposed action was to deep rip the area which was reportedly approved by the ranch manager. To evaluate if additional activities are warranted, we propose to inspect the area and compare the vegetation present in this area with the surrounding land. If the vegetative coverage is similar, we propose no further action.

When the sample results are available and the site inspection is complete, the documentation will be provided to OCD along with a proposed scope of any additional activities that may be required. If OCD agrees no further action is required, a final C-141 will be submitted.

Thanks,

**Daniel K. Gibson, P.G.** Permian Basin Regional Manager

**KC Harvey Environmental, LLC** 7 Sunnygrove Drive Odessa, Texas 79761 USA

Mobile: 432-312-7717 www.kcharvey.com



From:	Dan Gibson <dgibson@kcharvey.com></dgibson@kcharvey.com>
Sent:	Friday, January 19, 2018 1:01 PM
То:	Bratcher, Mike, EMNRD
Cc:	Chase Settle (chase_settle@eogresources.com)
Subject:	2RP-168 Gulf State Com#1

Mike – I talked with Chase at EOG. They have set an internal target of May 1, 2018 to close this project. Do you think we can make this target date? Completion by May 1 allows the seeding to be performed at a good time of the year. I know you're likely swamped, so let me know if there is anything I can do to assist in this process.

Thanks,

**Daniel K. Gibson, P.G.** Permian Basin Regional Manager

KC Harvey Environmental, LLC 2626 JBS Parkway Suite B120 Odessa, Texas 79761 USA

Office 432-614-6096 Mobile: 432-312-7717 www.kcharvey.com



From:	Bratcher, Mike, EMNRD
Sent:	Monday, March 5, 2018 12:56 PM
То:	'Dan Gibson'
Cc:	Chase Settle (chase_settle@eogresources.com)
Subject:	RE: Gulf KC State Com#1 2RP-168

RE: EOG Y \* Gulf KC St Com 1 \* 2RP-168 \* DOR: 4/28/08

Dan,

Your proposal to re-evaluate the above referenced release site is approved. Please advise once activities at the site have been scheduled.

Mike Bratcher NMOCD District 2 811 South First Street Artesia, NM 88210 575-748-1283 Ext 108

OCD approval does not relieve the operator of liability should their operations fail to adequately investigate and remediate contamination that may pose a threat to ground water, surface water, human health or the environment. In addition, OCD approval does not relieve the operator of responsibility for compliance with any other federal, state, local laws and/or regulations.

From: Dan Gibson [mailto:dgibson@kcharvey.com]
Sent: Monday, January 8, 2018 11:23 AM
To: Bratcher, Mike, EMNRD <mike.bratcher@state.nm.us>
Cc: Chase Settle (chase\_settle@eogresources.com) <chase\_settle@eogresources.com>
Subject: RE: Gulf KC State Com#1 2RP-168

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Daniel K. Gibson, P.G. Permian Basin Regional Manager

**KC Harvey Environmental, LLC** 2626 JBS Parkway Suite B120 Odessa, Texas 79761 USA

Office 432-614-6096 Mobile: 432-312-7717 www.kcharvey.com



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Thanks,

Daniel K. Gibson, P.G. Permian Basin Regional Manager

**KC Harvey Environmental, LLC** 7 Sunnygrove Drive Odessa, Texas 79761 USA

Mobile: 432-312-7717 www.kcharvey.com



District I 1625 N. French Dr., Hobbs, NM 88240 Phone:(575) 393-6161 Fax:(575) 393-0720 District II

811 S. First St., Artesia, NM 88210 Phone:(575) 748-1283 Fax:(575) 748-9720

District III

1000 Rio Brazos Rd., Aztec, NM 87410 Phone:(505) 334-6178 Fax:(505) 334-6170

District IV

1220 S. St Francis Dr., Santa Fe, NM 87505 Phone: (505) 476-3470 Fax: (505) 476-3462

## **State of New Mexico Energy, Minerals and Natural Resources Oil Conservation Division** 1220 S. St Francis Dr. Santa Fe, NM 87505

CONDITIONS

Operator:	OGRID:
EOG Y RESOURCES, INC.	25575
104 S 4th St	Action Number:
Artesia, NM 88210	375408
	Action Type:
	[IM-SD] Incident File Support Doc (ENV) (IM-BNF)

#### CONDITIONS

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Page 32 of 32

Action 375408